

ABSTRACT

A receiver (11) converts a received signal directly to a baseband signal, and includes: a
5 switched-capacitor filter (19) controlling a cutoff frequency when the baseband signal is filtered according to a control signal provided for a switched-capacitor element (27); an oscillator generating a periodic signal; and a divider (31)
10 dividing a periodic signal generated by the oscillator according to the received signal, and an output signal from the divider (31) is provided as the control signal for the switched-capacitor element (27).